ATTY DKT. No.: FNSR/1001.02 U.S. SERIAL NO .: UNKNOWN FILED: HEREWITH

CONF. NO .: UNKNOWN

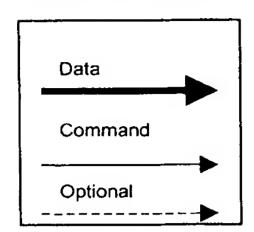
APPLICANT:

FINISAR CORPORATION TITLE: NETWORK ANALYSIS TOPOLOGY DETECTION

KLOTZ, ET AL. INVENTOR:

EXPRESS MAIL No.: EV335470555US PAGE 1 OF 12

## Communication Flow Key



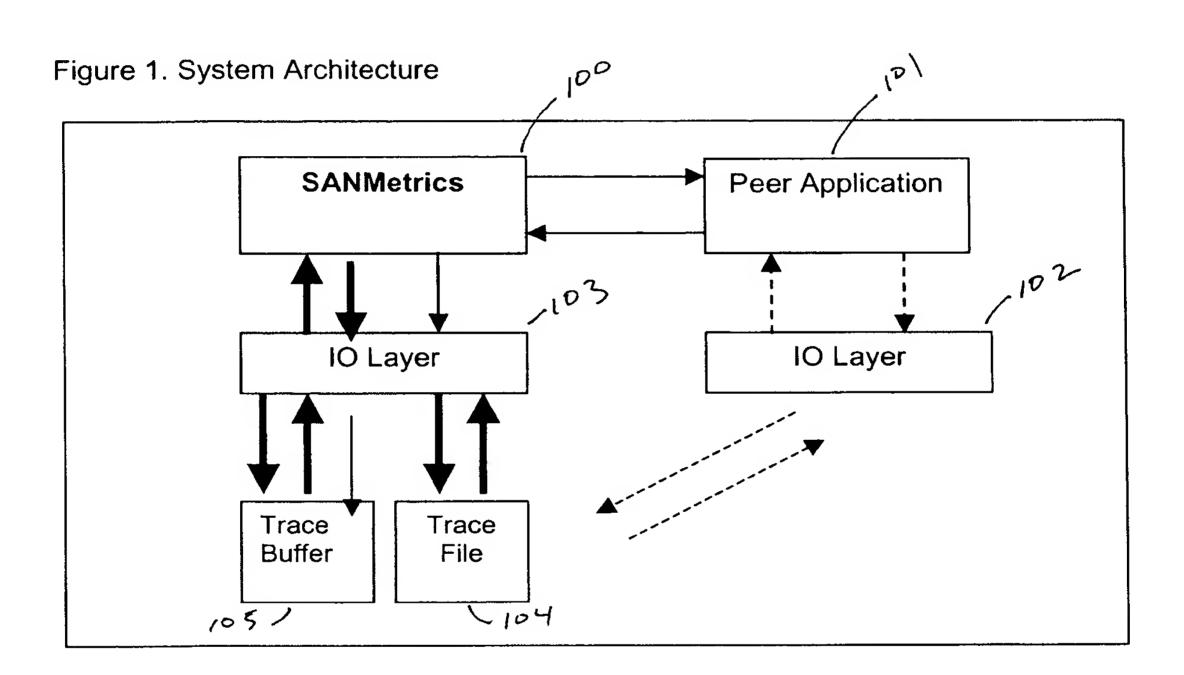


FIGURE 1

ATTY DKT. No.: FNSR/1001.02

U.S. SERIAL NO.: UNKNOWN CONF. No.: UNKNOWN HEREWITH

APPLICANT: FINISAR CORPORATION

TITLE: NETWORK ANALYSIS TOPOLOGY DETECTION

INVENTOR: KLOTZ, ET AL.

EXPRESS MAIL No.: EV335470555US PAGE 2 OF 12

Figure 2. SANMetrics Architecture



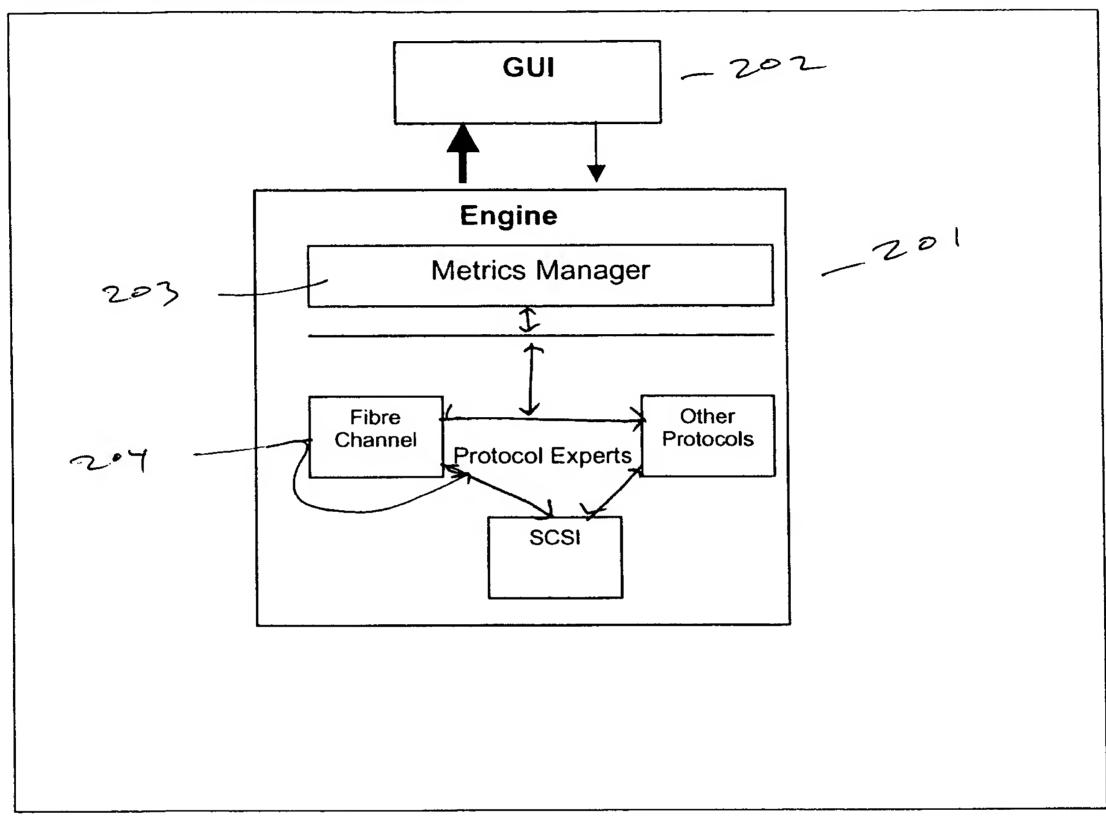


FIGURE 2

ATTY DKT. No.: FNSR/1001.02
U.S. SERIAL No.: UNKNOWN
FILED: HEREWITH

CONF. No.: UNKNOWN

APPLICANT: FINISAR CORPORATION

TITLE: NETWORK ANALYSIS TOPOLOGY DETECTION
INVENTOR: KLOTZ, ET AL.
EXPRESS MAIL No.: EV335470555US PAGE 3 OF 12

Analyzer - Channel 1-8 (1 Gb. GT-A, Fibre Channel)	301								
70x	305	w,	22/			202	700		
Description Last as exceeds threshold		Source INA	Destruction N/A	Ports     1906   0.1     FC-2	Total County	Severy	Calegory		Value Description: 12
baretion Loss by device 18 F0 while loop in closed state	000:00:00:00:796_513	pc N/A			377	5			
Direction Loss by device	000:00:00:00:00:00:00:00:00:00:00:00:00	28		0,1		2	Werning		
bitation Loss by device	000:00:00:027_038_138	8 8	T T		377	12 P	Warning		
Ditration Loss by device	000:00:00:032_108_550	8 8				\$			1 17
18 F0 white loop in closed state	000,000,00055,840_388	N/A			15		Warning		I WAT DUT OF LIBOR
18 FD while toop in closed state 18 FO while toop in closed state	000:00:00:246 908 063	N/A	N/A	0,1 6,1 FC.2	+	7	Warring		
AB FO while loop in closed state	000:00:00:357_597_875	N/A				4			
aled Open's Open detected while toop in Open State	000 00 473 707 452		) PC	0.1% % (FE-2)	10	*- (2.0) ************************************	Warming	NAMES OF THE	Times Out of Condition
ul of Credits during Tenancy	000,00,00,604_503_338	00			+	-			Times Out of Credit
ut of Credits during Tenency	000,00:01,134_042,563	Ø		0,1 FC-2					Times Out of Credit
ut of Credits during Tenency and Credits during Tenency	000.001.134 123 863	5 8			10		Warning		Times Out of Credit
A of Credit during Tenency	000,000,01,571,350,700	10	8 8		-		Werring		Times Out of Credit
at of Credits during Tenancy		6			+				Times Out of Credit
A of Credits during Tenancy		101							Times Out of Credit
Jul of Gredits during Tenency	000:00:02:52_920_838	[0]		0,1 FC:2	10	-	Warring		Times Out of Credit
de université amentand exemple de les destacements des des productions de la companyant de la companyant de la	and defended in the control of the c						· · · · · · · · · · · · · · · · · · ·		
				(1) (1) (1) (1) (1) (1) (1) (1) (1) (1)	<b>《新文学》《新文学》</b>	Kanada Lawar P. P. P.	Section W. W. Cate . F. M. 18	The state of the s	

ATTY DKT. No.: FNSR/1001.02 U.S. SERIAL NO.: UNKNOWN CONF. NO.: UNKNOWN FILED: HEREWITH

FINISAR CORPORATION TITLE: NETWORK ANALYSIS TOPOLOGY DETECTION

INVENTOR:

KLOTZ, ET AL.

APPLICANT:

EXPRESS MAIL No.: EV335470555US **PAGE 4 OF 12** 

XIO 120 899 1025 89 51 000 149 1 1 Times Out of Credit Credit Balance Credit Balance Credit Balance Credit Balance Credt Balance
Times Out of Credt
Credt Balance
Times Out of Credit
Credit Balance Times Out of Credit Value Description
X Dut of Dedit
X of Atts Lost
X Bed Tenencies
Credit Balance Credit Balance Times Out of C Credit Balance Credit Balance Waning
Waning
Waning
Waning Warring Warring Warring Warring Warring Warring Warring Warrang Warring Warning Werning Warring Detaine (000:00:003:365:046) R R R R R R R R R R R R 104e00 104e00 1044ex (FL) 104e00 N/A 104-00 104-00 104-00 104-00 104-00 104-00 104-00 104500 104s00 104500 104900 1044xx [F.]
1044xx [F.] 000-15-48-912\_169\_163 000-15-48-912\_211\_275 000-15-48-912\_211\_575 000-15-48-912\_304\_838 000-15-48-912\_465\_637 000-15-48-912\_475\_988 000-15-48-912\_502\_538 000-15-48-912\_502\_538 000-15-48-912\_514\_762 000-15-48-912\_514\_763 000-15-48-912\_514\_463 000-15-48-912\_514\_463 000-15-48-912\_518\_338 000-15-48-912\_518\_338 000-15-48-912\_788\_338 000-15-48-912\_788\_338 000-15-48-912\_788\_338 | A definition Loss by device | A deviction Loss by deviction Loss by device | A deviction Loss by device | A deviction Loss by devi E. & Analyzer - Port 5 (1 Gb, GTX-A, Före Channel, Switch) Free 00015-48 911\_301\_975 | For Heb, Gress F1 E-C) (coology E-C) Analyzer - Port 4 (1 Gb, GTXA, Fibre Channel) - ( Target 104ae0: LUN 00 Target 104aef: LUN 00 E3 larget 104ae8 I arget 104ae2 - Target 104se4 E GTX-SANMetrics - Sequencerbug E) 10 FL\_Port 1048000 - 1 1 FL\_Port 1044xx - III Initiator 104400 For teb, press F1

ATTY DKT. No.: FNSR/1001.02 U.S. SERIAL NO.: UNKNOWN FILED: HEREWITH

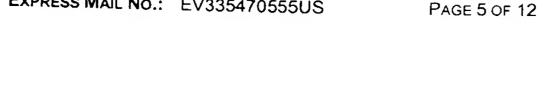
CONF. No.: UNKNOWN

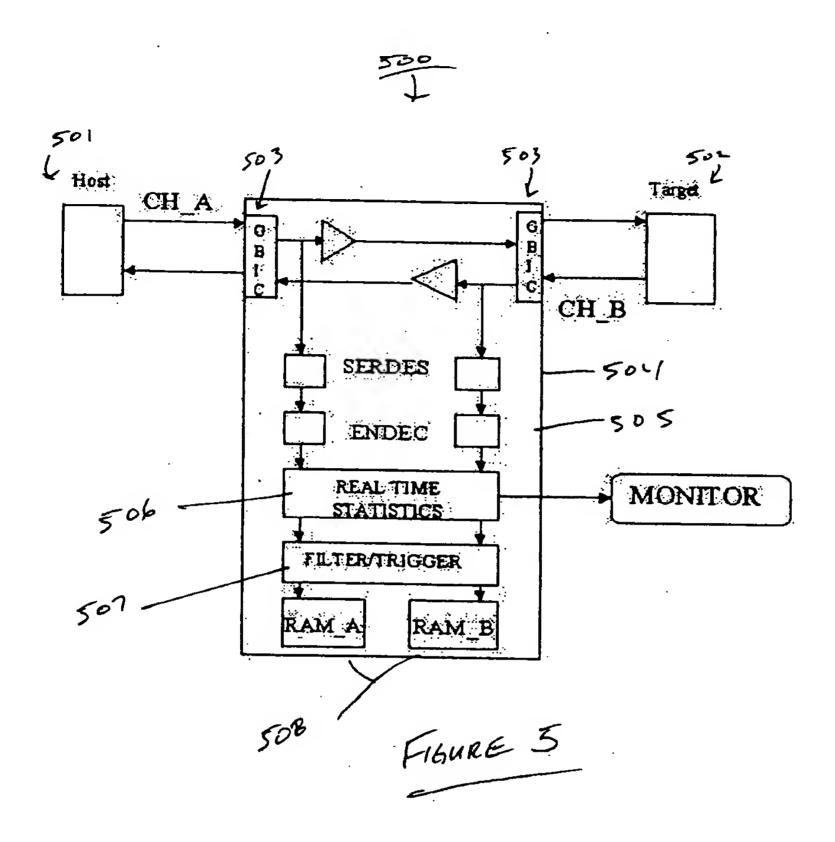
INVENTOR: KLOTZ, ET AL.

APPLICANT:

FINISAR CORPORATION TITLE: NETWORK ANALYSIS TOPOLOGY DETECTION

EXPRESS MAIL No.: EV335470555US





ATTY DKT. No.. FNSR/1001.02 U.S. SERIAL NO.: UNKNOWN

FILED: HEREWITH

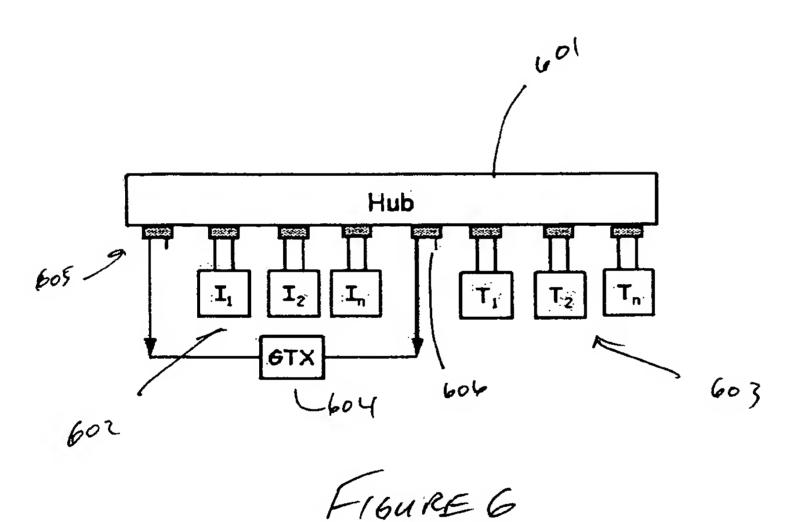
APPLICANT: FINISAR CORPORATION

TITLE: NETWORK ANALYSIS TOPOLOGY DETECTION INVENTOR:

KLOTZ, ET AL.

EXPRESS MAIL No.: EV335470555US PAGE 6 OF 12

CONF. NO.: UNKNOWN



ATTY DKT. No.: FNSR/1001.02
U.S. SERIAL NO.: UNKNOWN
FILED: HEREWITH

CONF. NO.: UNKNOWN

APPLICANT: FINISAR CORPORATION
TITLE: NETWORK ANALYSIS TOROLOGY

TITLE: NETWORK ANALYSIS TOPOLOGY DETECTION INVENTOR: KLOTZ, ET AL.

EXPRESS MAIL NO.: EV335470555US PAGE 7 OF 12

Innational	Destribation   Point   Point
Post	
Severity Catogory    Severity Varing Varing   Va	Caurit   Serverity   Carogory   All Value   All All All All All All All All All A
	11.38 11.38 11.38 11.38

Figure 7

ATTY DKT. No.: FNSR/1001.02
U.S. SERIAL NO.: UNKNOWN
FILED: HEREWITH

HEREWITH FINISAR CORPORATION

TITLE: NETWORK ANALYSIS TOPOLOGY DETECTION INVENTOR: KLOTZ, ET AL.

EXPRESS MAIL NO.: EV335470555US

APPLICANT:

PAGE 8 OF 12

CONF. NO .: UNKNOWN

Description

N. of Albitration Lineages exceeds threshold

Out of Credits during Tenancy

And Out of Credits during Tenancy

And Out of Credits during Tenancy

And Followhile loop in closed state

And And Fol for Help, press F11 图Start | ① 争 ① ① \* 图 1001:04 conversion Mc Frs: 000:00:00:000\_001\_912 ] Analyzor - Channol 1-A (1 Gb, GT-A, Fibre Channel) Analyzer - Channel 1-8 [1 Gb, GT-A, Fibre Channel] . Initiator 01 Target et: LUN 00 Target bo: LUN 00 oop in Open State 000 00:00:07 282 950
000:00:00:00 4 365 163
000:00:00:00 504 503 338
000:00:01:134 042 563
000:00:01:671 187 088
000:00:00:07729 551 288
000:00:00:02 729 554 825
000:00:00:00:32 729 564 825
000:00:00:00:085 840 988
000:00:00:02 82 214 350
000:00:00:00 282 214 350
000:00:00:00 272 983 513
000:00:00:00 272 983 538
000:00:00:00 272 983 513
000:00:00:00 272 983 538
000:00:00:00 272 983 538
000:00:00:00 272 983 538 Detto Time 000:00:03:264:824-364 8 18 **Figure** Marx-sametrics 2dn 8888888888 || Lat. 000.00.03.264, 826, 276 | 之间 文 Warning
Warning
Warning
Warning
Warning
Warning
Warning
Warning
Warning Times Out of Credit

ATTY DKT. No.: FNSR/1001.02 U.S. SERIAL NO.: UNKNOWN

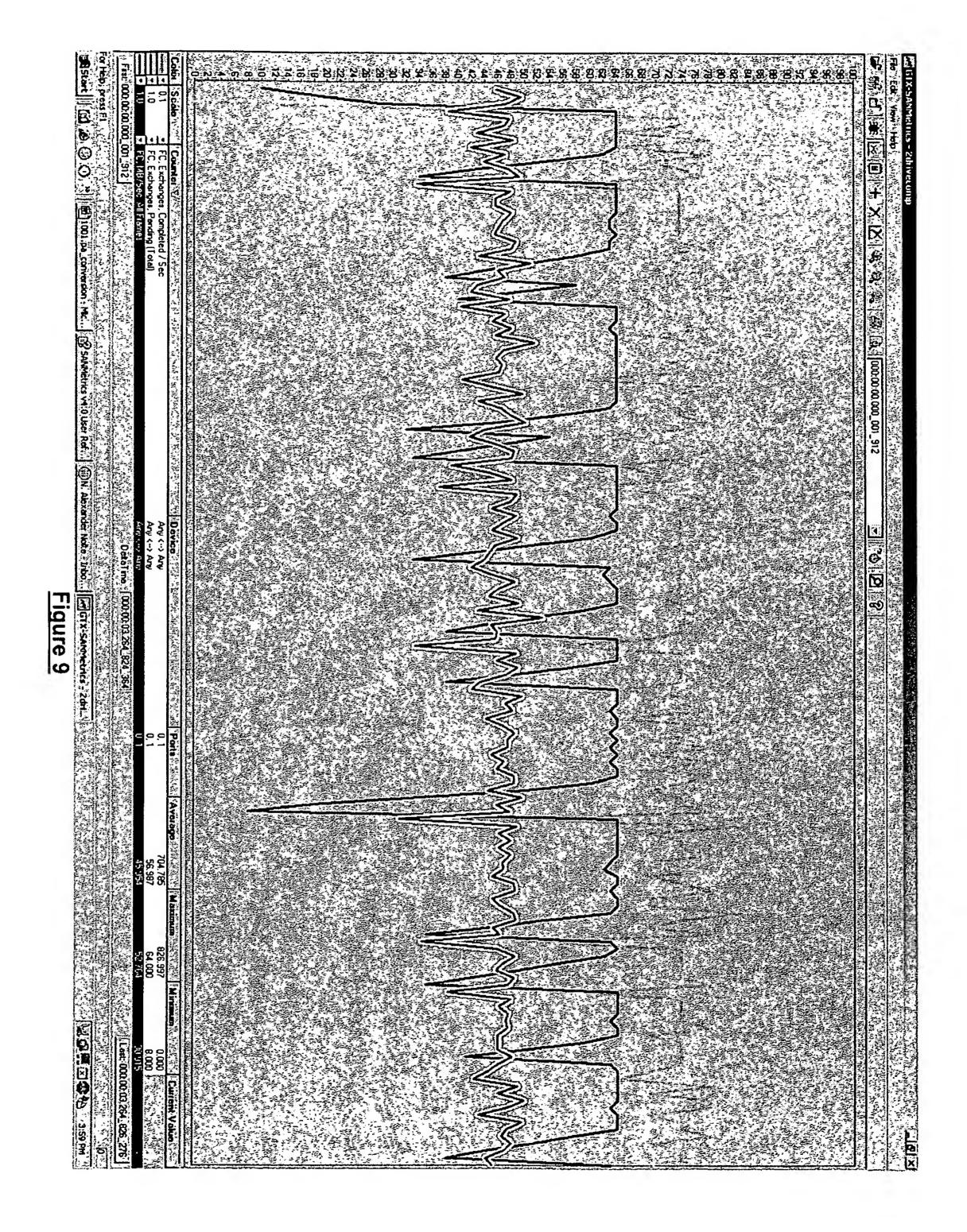
FILED: HEREWITH
APPLICANT: FINISAR CORPORATION

TITLE: NETWORK ANALYSIS TOPOLOGY DETECTION

INVENTOR: KLOTZ, ET AL.

EXPRESS MAIL No.: EV335470555US PAGE 9 OF 12

CONF. NO.: UNKNOWN



ATTY DKT. No.: FNSR/1001.02
U.S. SERIAL NO.: UNKNOWN CONF. No.: UNKNOWN
FILED: HEREWITH

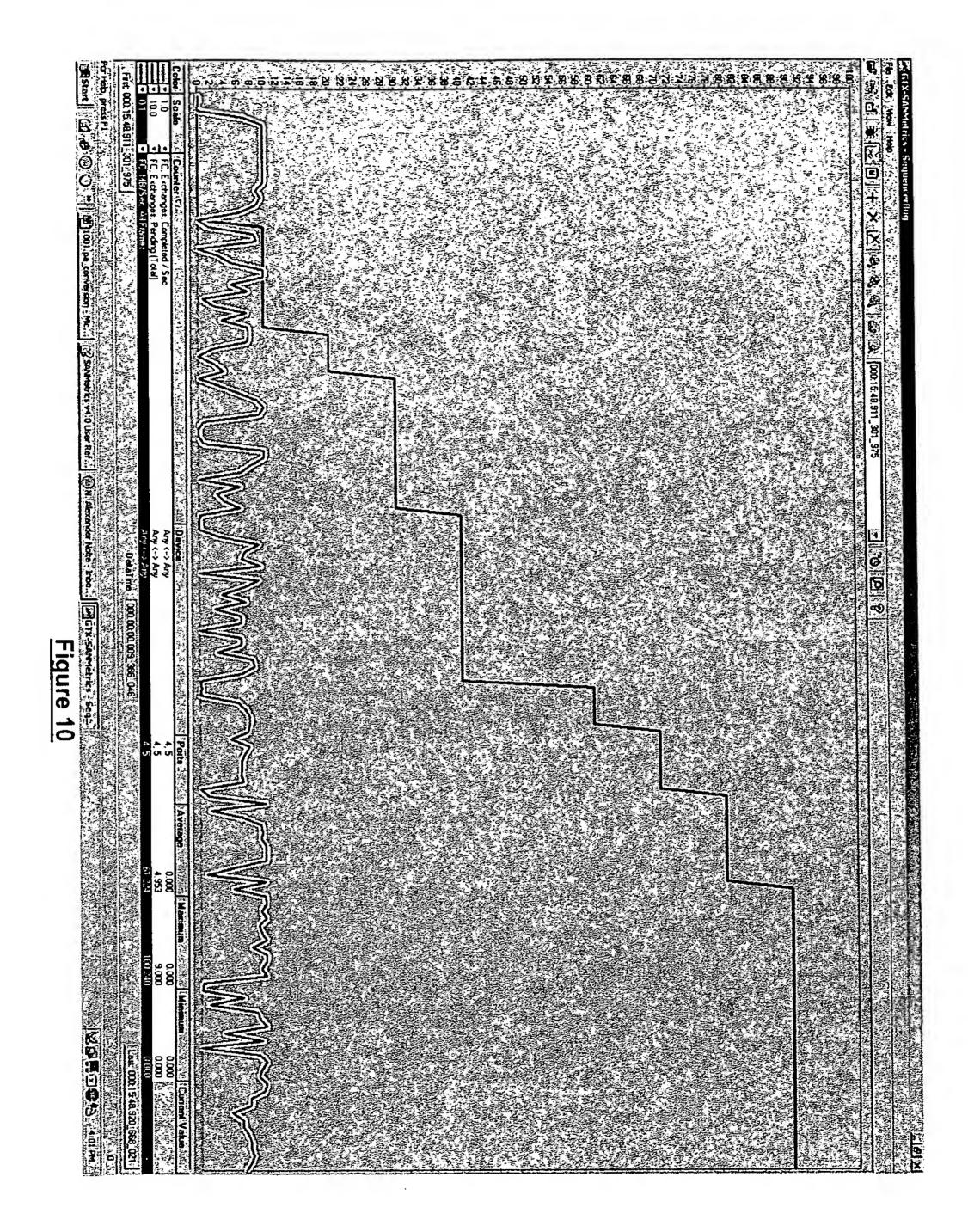
FILED: HEREWITH

APPLICANT: FINISAR CORPORATION

TITLE: NETWORK ANALYSIS TOPOLOGY DETECTION

INVENTOR: KLOTZ, ET AL.

EXPRESS MAIL No.: EV335470555US PAGE 10 OF 12



ATTY DKT. No.: FNSR/1001.02 U.S. SERIAL NO .: UNKNOWN CONF. NO.: UNKNOWN FILED: HEREWITH

APPLICANT: FINISAR CORPORATION

TITLE: NETWORK ANALYSIS TOPOLOGY DETECTION

INVENTOR: KLOTZ, ET AL.

EXPRESS MAIL No.: EV335470555US

PAGE 11 OF 12

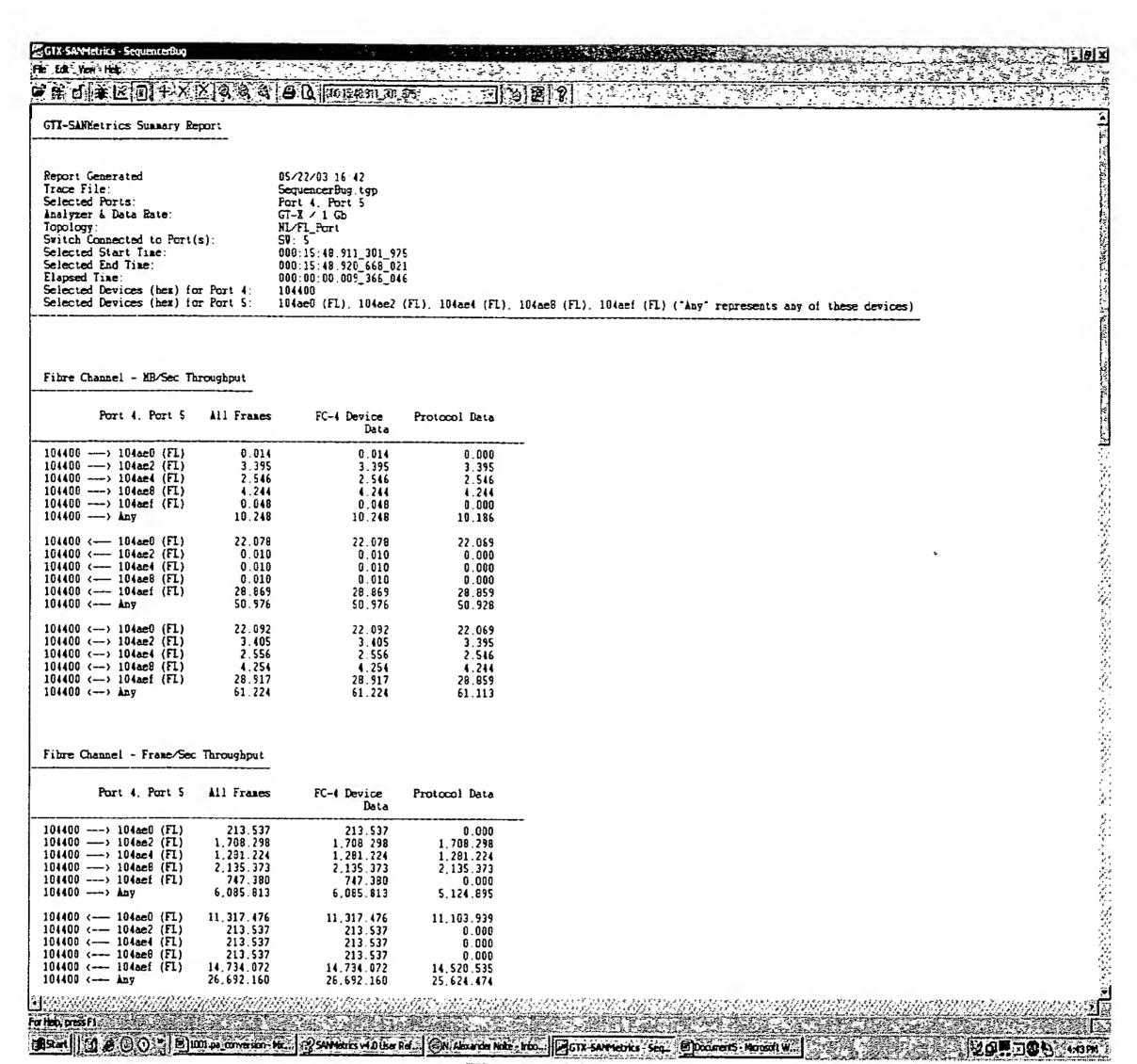


Figure 11

ATTY DKT. No.: FNSR/1001.02 U.S. SERIAL NO .: UNKNOWN CONF. NO .: UNKNOWN FILED: HEREWITH APPLICANT: FINISAR CORPORATION

TITLE: NETWORK ANALYSIS TOPOLOGY DETECTION

INVENTOR: KLOTZ, ET AL.

EXPRESS MAIL No.: EV335470555US Page 12 of 12

GTX-SANMetrics · Zdrivecomp The Ed That Habitation of the Ed That Habita 7 7 8 41 CECT \* EU + XIX & C & G D monom m nz GTX-SANMetrics Summary Report Report Generated 05/22/03 16:45 Trace File: 2drivecomp.tgp Selected Ports: Channel 1-1. Channel 1-8 Analyzer & Data Rate: GT-1 / 1 Gb Topology: Loop Switch Connected to Port(s): Switch not present / detected 000:00:00.000.000\_001\_912 Selected Start Time: Selected End Time: 000:00:03.264\_E26\_276 Elapsed Time: 000:00.03.264\_824\_364 Selected Devices (hex) for Channel 1-4: Selected Devices (hex) for Channel 1-B: bc, ef ('any' represents any of these devices) Fibre Channel - MB/Sec Throughput FC-4 Device Channel 1-A. all Francs Protocol Data Channel 1-B Data 1 ---> bc 0.020 0.020 0.000 1 ----> ef 1 ----> Any 0.027 0.027 0.000 0.047 0.047 0.8001 (--- bc 19.143 19.143 19.130 1 (--- ef 1 (--- Any 26.763 26.763 26.744 45.907 45.907 45.874 1 (--> bc 19.163 19.163 19.130 1 (-- ) ef 26.791 26.791 26.744 45.954 1 (--- Any 45.954 45.874 Fibre Channel - Frame/Sec Throughput Channel 1-1. All Francs FC-1 Device Protocol Data Channel 1-B Data 1 ---> bc 303.845 303.845 0.000 420.237 1 ---> ef 420.237 0.000 1 ---> Any 724.082 724.082 0.000 1 <--- bc 10,406.073 10,406.073 10,105.291 13,877.010 24,283.083 13,877.010 1 (--- ef 13,456.467 1 <--- Any 24,283.083 23,561.758 1 (--- bc 10,709.918 10,709.918 10,105.291 1 (---> ef 14,297,247 13,456,467 1 (-- ) Any 25,007.165 25,007.165 23,561.758 Fibre Channel - Bus Utilization Alenancy Time Channel 1-A. Mink Time "Link Time v/ Channel 1-B 1 ---> bc 0.047 0.080 0.109

FIGURE 12

#Start 3 6 0 " Film pa conversor Hc. SAMMetrics W.D. User Ref ... ON. Alexander Note: Indo... Fig. TX-SAMMetrics - 2dm.